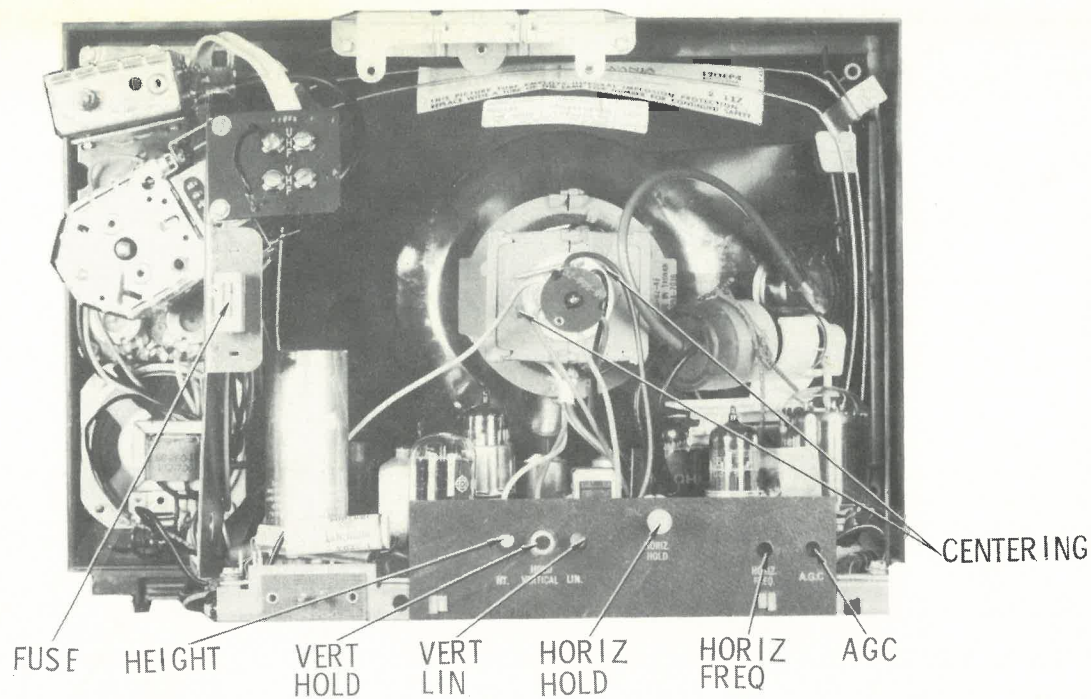




CABINET-REAR VIEW

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Remove six screws securing cabinet back. Disconnect antenna lead. Remove all knobs. At this time, cabinet can be removed from cabinet front.

Note: Most components may be serviced without removing chassis.

Remove picture-tube socket, deflection yoke, high-voltage anode lead, speaker wires, and ground connections.

Remove six screws securing tuner and chassis to cabinet front. Tuner and chassis can now be removed from the cabinet front.

PICTURE TUBE REMOVAL

Follow Chassis Removal instructions. Lay set face down on a soft protective surface.

Remove four screws holding picture-tube to cabinet front.

Lift picture tube from the cabinet front. Do not lift tube by the neck.

SET 1 202 FOLDER 3

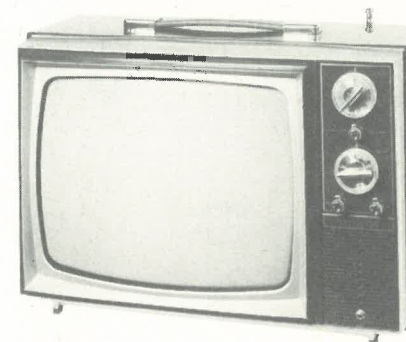
SYLVANIA
CHASSIS B14-1, B14-2

PHOTOFACT® Folder

with CIRCUITRACE®

For Supplier Address See PHOTOFACT Index

SYLVANIA
CHASSIS B14-1, B14-2



MODEL MW14BK

MODEL	CHASSIS
MW14BK	B14-1
MW18	B14-2

SAFETY PRECAUTIONS

Make sure line voltage does not exceed rating of set. Check high-voltage regulation and adjust to correct value.

Be sure shields and rear cover are in place and secure.

Beware of shock from high voltage or AC line. Discharge high voltage to HV cage only.

Use extreme care when handling picture tube. Do not bump, scratch, or exert undue strain.

CAUTION: One side of AC line connected to chassis. Use isolation transformer for servicing. Make certain isolation networks are in place and exposed metal is safe to touch before returning set to customer.

SERVICING IN THE FIELD

CRT IMPLSION PROTECTION AND CLEANING

Implosion protection is an integral part of the picture tube, cleaning accomplished without CRT removal.

FUSE DEVICE

The low-voltage power-supply is protected by a 1.2-amp fuse. (See Cabinet-Rear View photo.)

The AC input circuit is protected by a 2" length of #30 gauge fuse wire. (See Chassis-Bottom View photo.)

VHF TUNER OSCILLATOR

Set fine tuning at mid-range. Adjust oscillator slug (one for each channel) for best picture and sound. Overall oscillator trimmer adjustment may be necessary for best results.

HORIZONTAL OSCILLATOR

Coarse adjustment is provided by the

horizontal frequency control. (See Cabinet-Rear View photo.)

Fine adjustment is provided by the horizontal stabilizer coil (horizontal hold). (See Cabinet-Rear View photo.)

WIDTH

Adjusted by width sleeve under deflection yoke on picture-tube neck. (See Cabinet-Rear View photo.)

FOCUS

Adjusted by connecting the lead from pin 7 on picture tube to various voltage points. (See Chassis-Top View.)

AGC

Adjusted with the AGC control. (See Cabinet-Rear View photo.)

CENTERING

Adjusted with two magnetic rings on the yoke rear cover.

REMEMBER TO ASK— "What else needs fixing?"

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. 1PA207

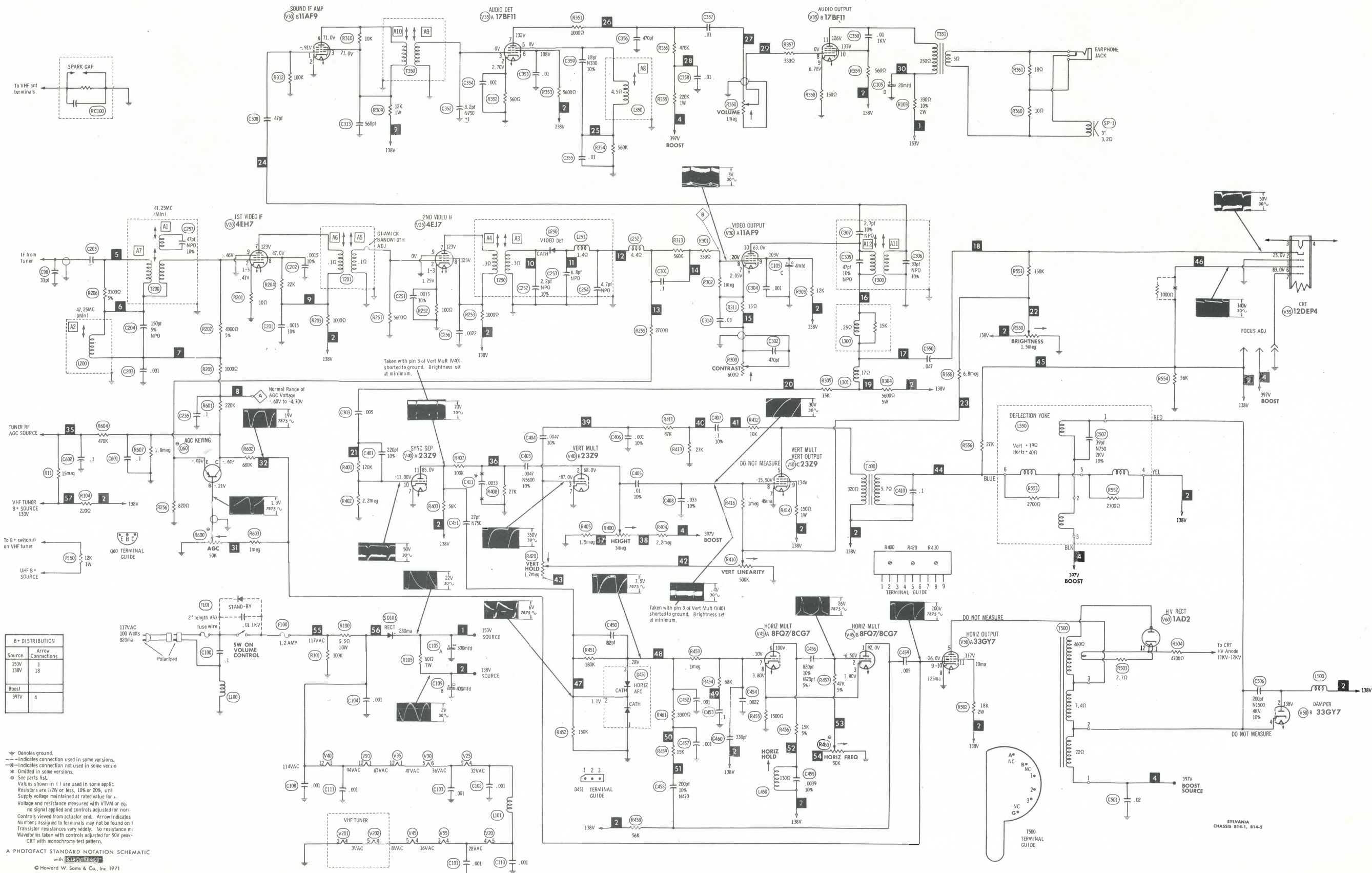
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DATE 10 -71

SET 1 202 FOLDER 3

SYLVANIA
CHASSIS B14-1, B14-2

SET 1 202 FOLDER 3

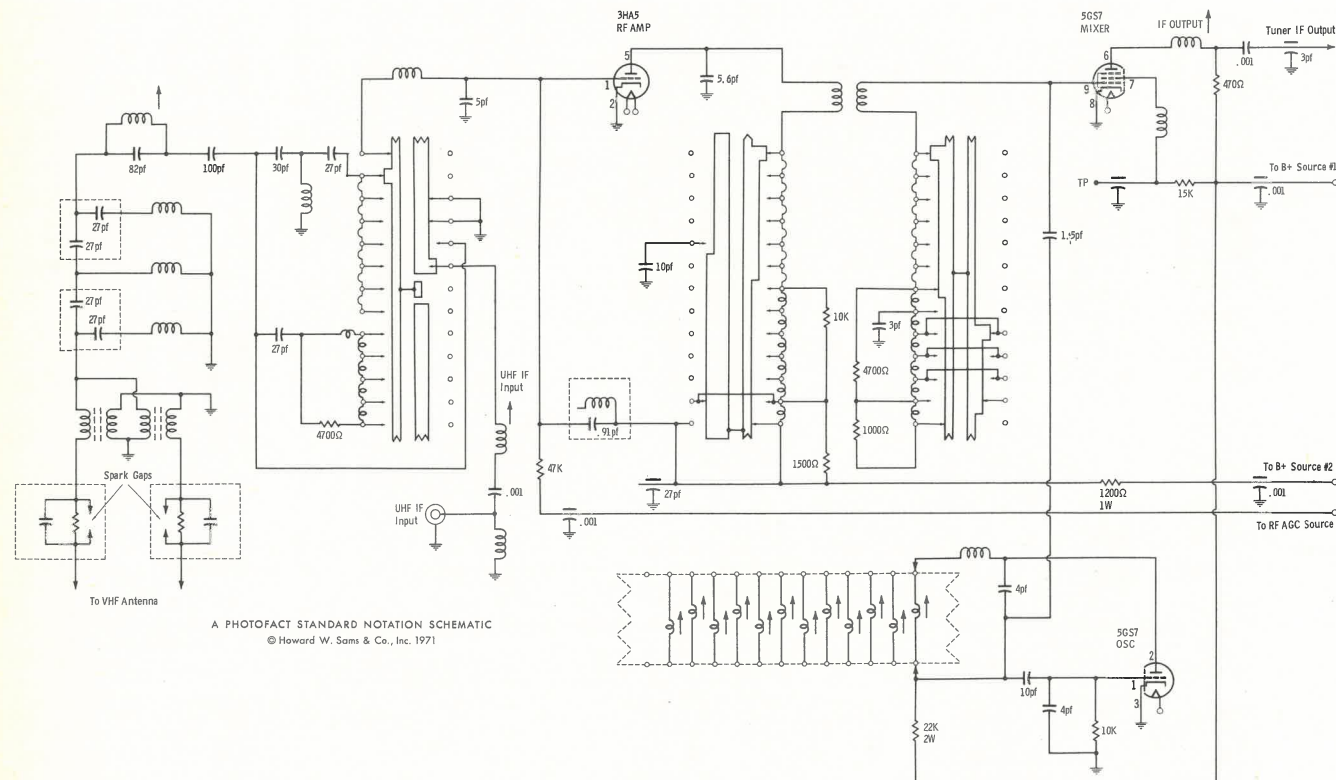


RESISTANCE MEASUREMENTS

ITEM	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	PIN 13
V20	33Ω	328K *	33Ω	8.39Ω	9.98Ω	0Ω	1140Ω †	23K †	0Ω				
V25	100Ω	0Ω	100Ω	9.98Ω	11.55Ω	0Ω	1535Ω †	1533Ω †	0Ω				
V30	100K	0Ω	13.4K †	13.4K †	15.52Ω	11.55Ω	125Ω	375K	8400Ω †	5900Ω †			
V35	15.52Ω	560Ω	4.91Ω	NC	560K	6300Ω †	774K †	250K	150Ω	560Ω †	585Ω †	21.8Ω	
V40	33.3Ω	3.91meg	835K	NC	379Ω †	NC	0Ω	1.3meg	207Ω	2.2meg	56K *	41.5Ω	
V45	58K †	80K	1500Ω	5.63Ω	2.96Ω	16.6K †	1.37 meg	1500Ω	NC				
V50	21.8Ω	67.4Ω †	NC	7.17meg	7.31Ω †	NC	NC	0Ω	1meg	1meg	1350Ω †	33.3Ω	
V55	0Ω	190K	5.63Ω	8.39Ω	NC	56K *	0Ω						
V60	4700Ω ▲	NC	NC	TP	NC	NC	NC	NC	NC	NC	NC	4700Ω ▲	515Ω †
V201	443K	0Ω	0Ω	.96Ω	1485Ω †	0Ω	0Ω						
V202	15K	4750Ω †	0Ω	2.96Ω	.96Ω	1470Ω †	18.3K †	0Ω	220K				

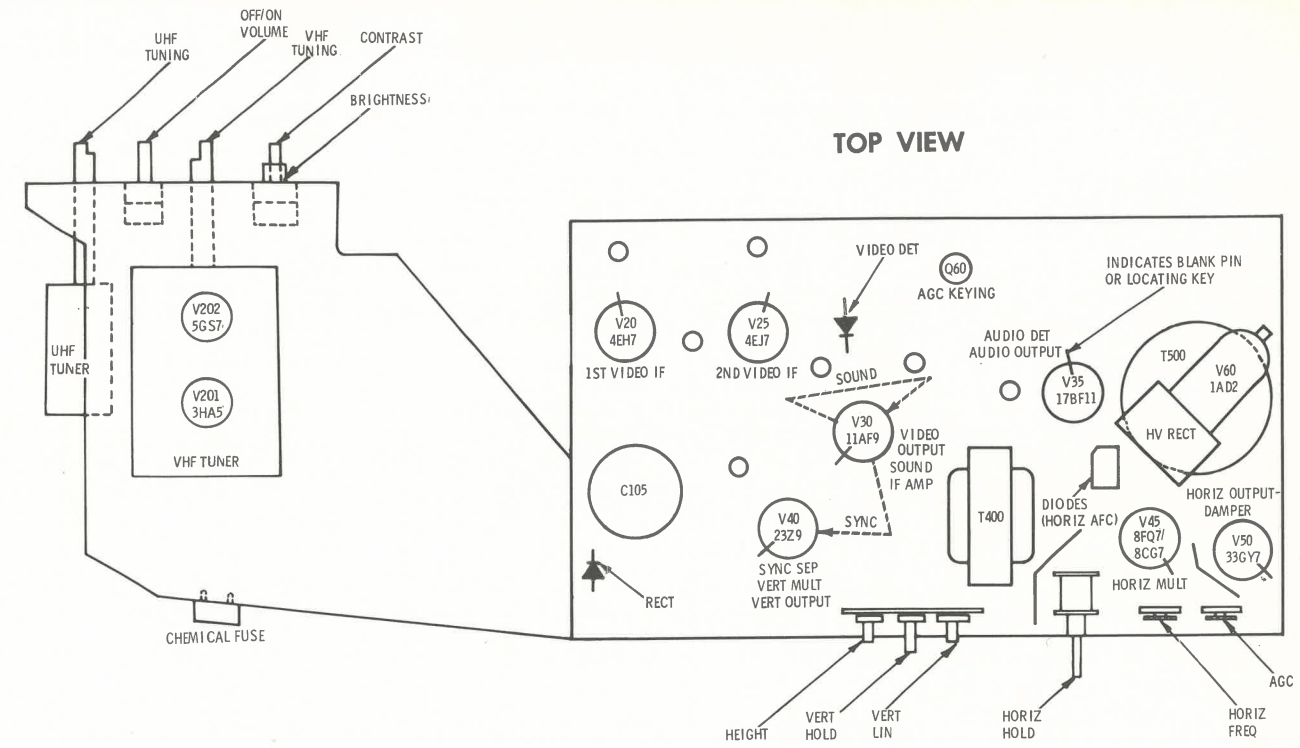
* READING DEPENDS ON POLARITY OF METER CONNECTIONS.
 ▲ MEASURED FROM PICTURE TUBE HIGH VOLTAGE ANODE LEAD.

† MEASURED FROM CATHODE OF SD101.
 † MEASURED FROM PIN 4 OF V50.
 NC NO CONNECTION
 TP TIE POINT



VHF TUNER 54-31054-3

TUBE PLACEMENT CHART



TV ALIGNMENT INSTRUCTIONS

Use an isolation transformer, or observe polarity, and maintain line voltage at 117VAC. Allow a 20-minute warm-up period for the receiver and test equipment.
Suggested Alignment Tools:

GENERAL CEMENT
A1 thru A12 8606, 8606L, 8869
Mixer Plate Coil 9296, 9297, 9300

VIDEO IF ALIGNMENT

Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection. Use only enough generator output to provide a usable indication. Note: Response may vary slightly from that shown. Connect a variable bias supply, approximately -7.5V to the IF AGC line (Point Δ) and adjust to obtain a response curve which shows no indication of overload. Disable oscillator section of mixer-oscillator. Set the channel selector to any non-interfering channel.

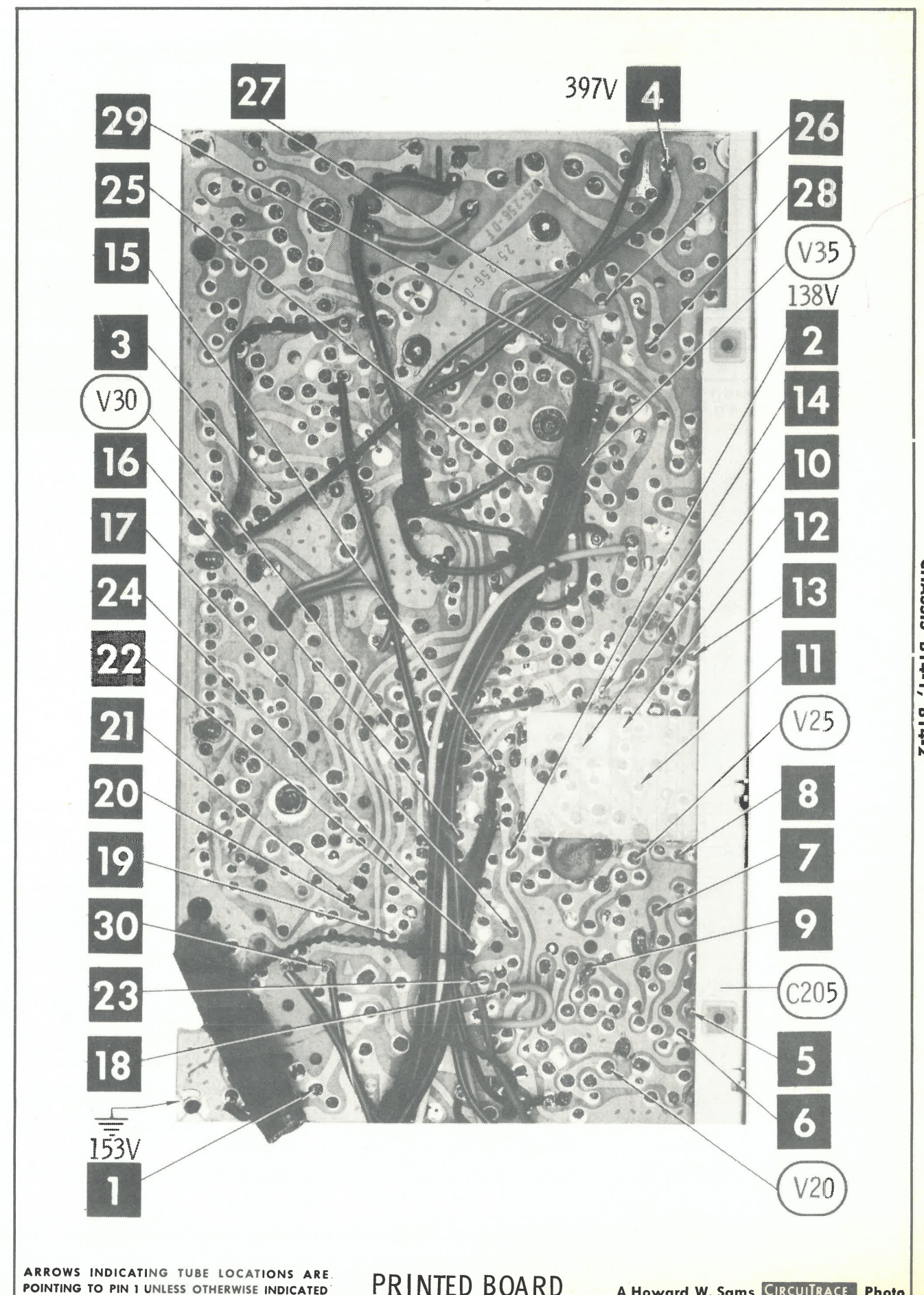
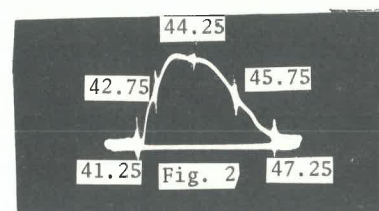
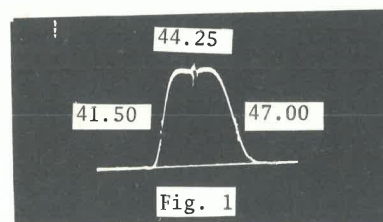
INDICATOR	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	ADJUST	REMARKS
DC probe of VTVM thru 47K to Point Δ , common to ground.	High side to ungrounded tube shield over Mixer-Osc., low side to ground.		41.25MC 47.25MC	A1 A2	Adjust for MINIMUM.
Vertical input of scope to Point Δ , low side to ground.	High side thru a .002 capacitor to Pin 2 of V25, low side to ground.	44MC (10MC Sweep)	41.50MC 44.25MC 47.00MC	A3 A4	Adjust for maximum amplitude and MINIMUM tilt with markers as shown in Figure 1.
Vertical input of scope to Point Δ , low side to ground.	High side to ungrounded tube shield over Mixer-Osc., low side to ground.	44MC (10MC Sweep)	41.25MC 42.75MC 44.25MC 45.75MC 47.25MC	A5, A6, A7 Bandwidth Adjust, Mixer Plate Coil	Adjust for maximum gain and symmetry of response with markers as shown in Figure 2. To obtain a proper response, it may be necessary to slightly retouch A3 and A4.

SOUND IF ALIGNMENT

Tune in a station and adjust A8 for maximum sound. Reduce signal strength at the antenna terminals until distortion appears. Continue to reduce the signal while aligning for undistorted output by adjusting A9, A10 and A11.

4.5MC TRAP ALIGNMENT

Tune in a strong TV signal and set the contrast at maximum. Adjust the fine tuning until a beat pattern is visible on the screen. Adjust A12 for MINIMUM beat interference.



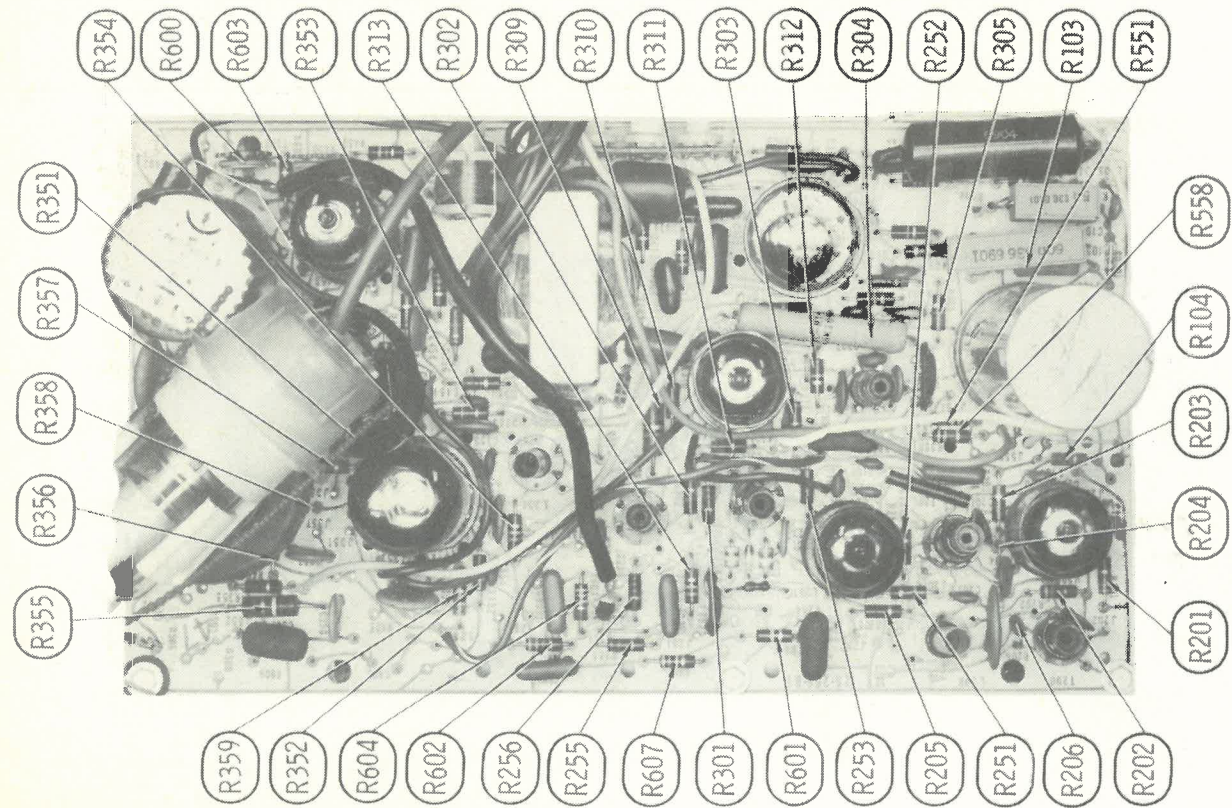
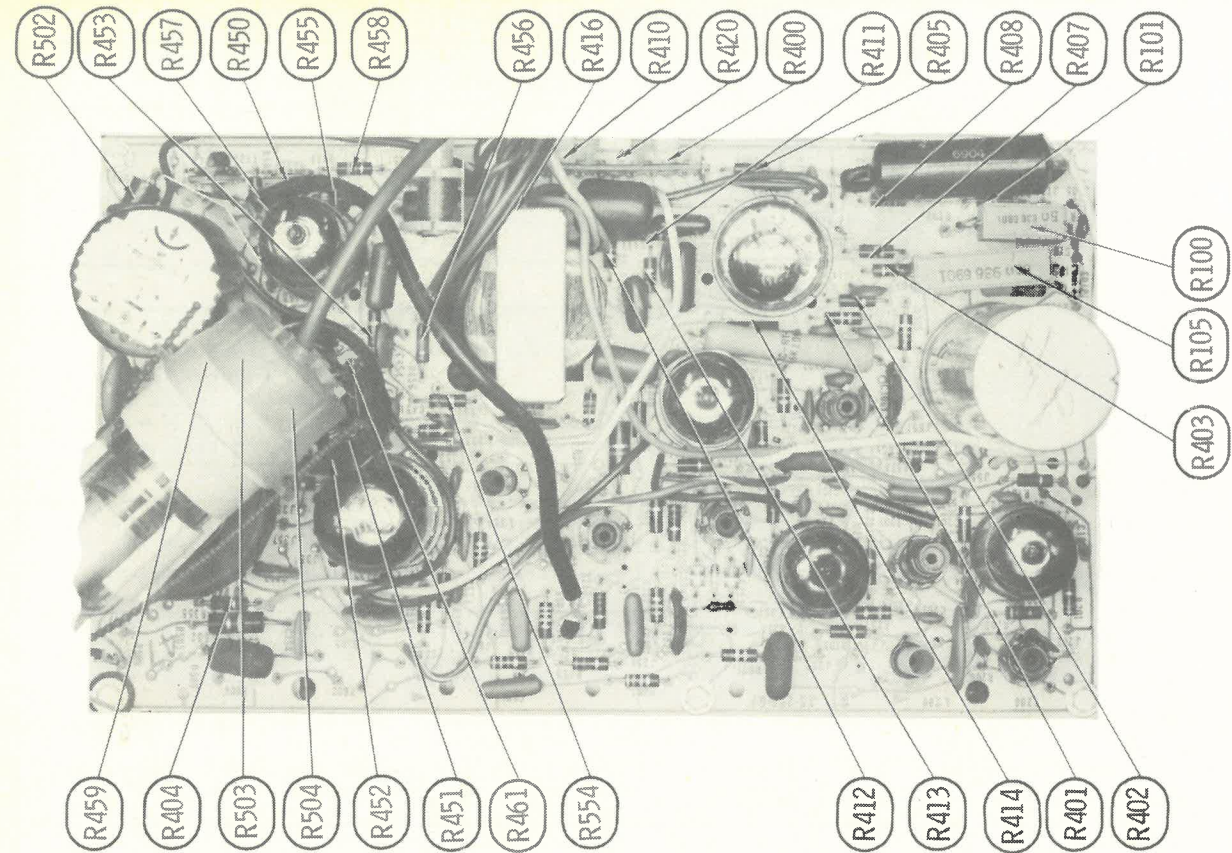
ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

PRINTED BOARD

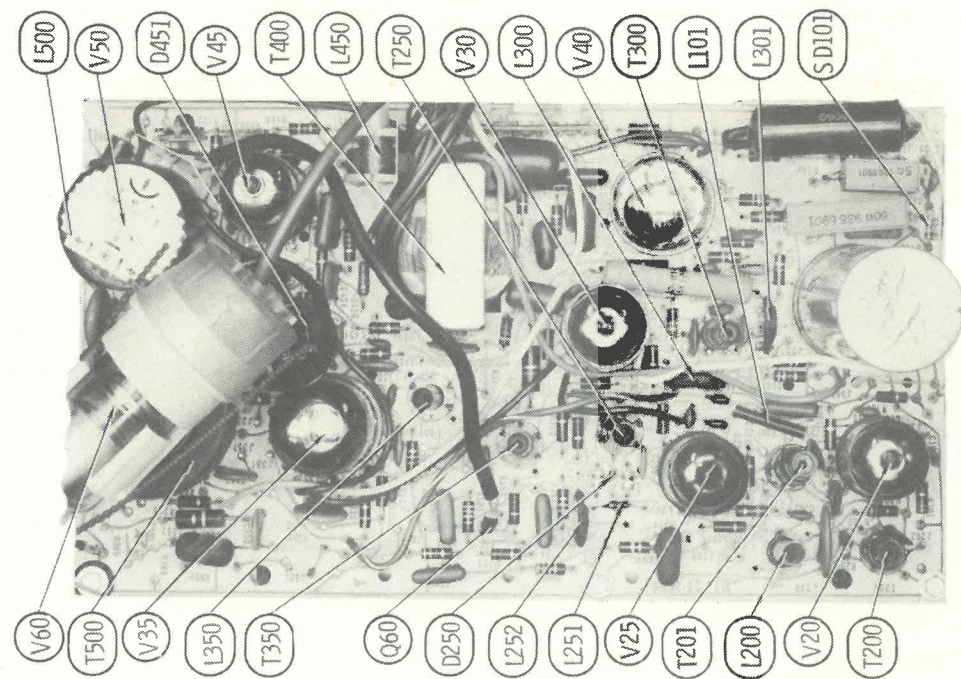
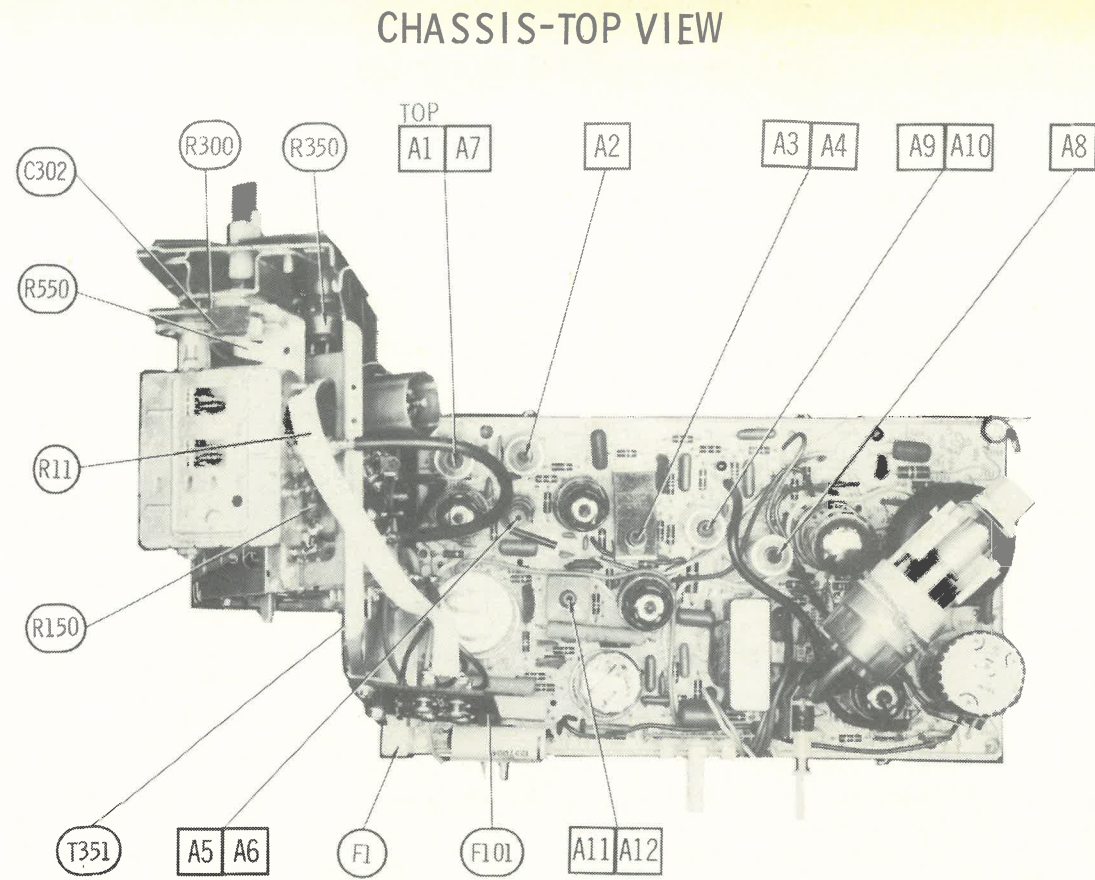
A Howard W. Sams CIRCUITRACE Photo

SYLVANIA
CHASSIS B14-1, B14-2

FOLDER 3



PRINTED CIRCUIT BOARD



PRINTED CIRCUIT BOARD

CHASSIS-TOP VIEW

VHF TUNER ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:	GENERAL CEMENT
Mixer Plate Coil	9296, 9297, 9300

OSCILLATOR ADJUSTMENTS

Individual oscillator slugs are accessible through a hole in the front of the tuner. Set the fine tuning at mid-range. Starting with the highest active channel, adjust the appropriate slugs, in descending order, for the best picture and sound.

RF AND MIXER ADJUSTMENTS

Connect the sweep generator across antenna terminals with 120-ohm carbon resistor in each lead. Refer to chart below for generator frequencies. Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the scope for horizontal deflection. Use 10MC sweep unless otherwise noted. Connect a variable bias to the RF AGC line at Point **D**. Adjust bias to obtain response curve showing no overloading.

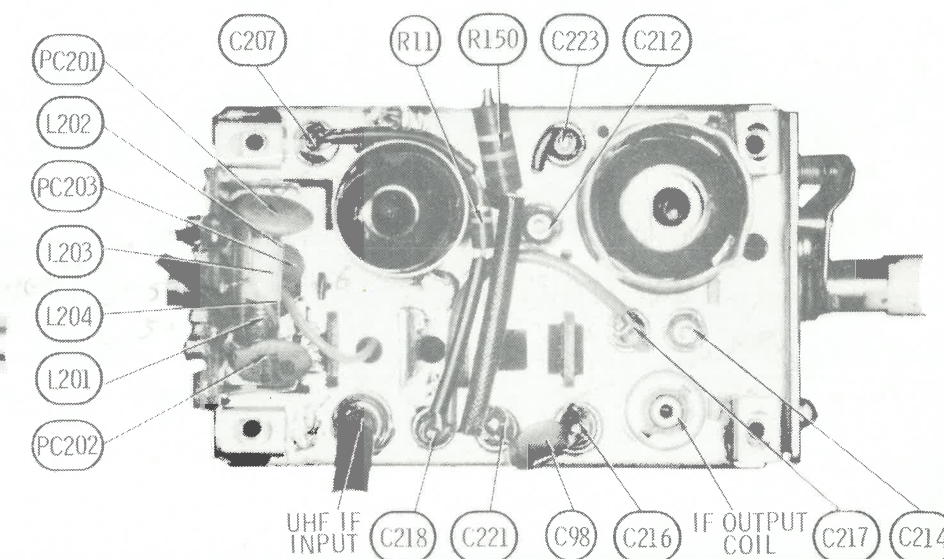
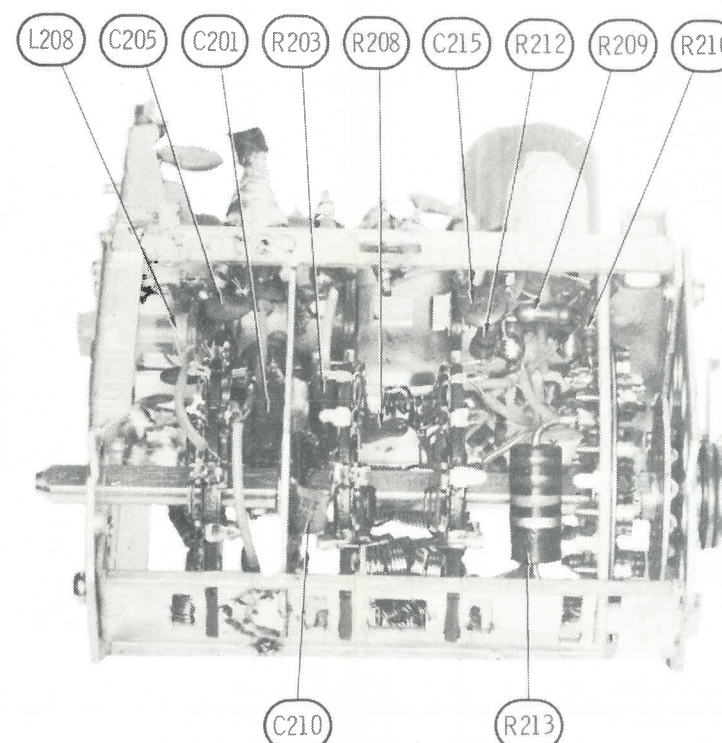
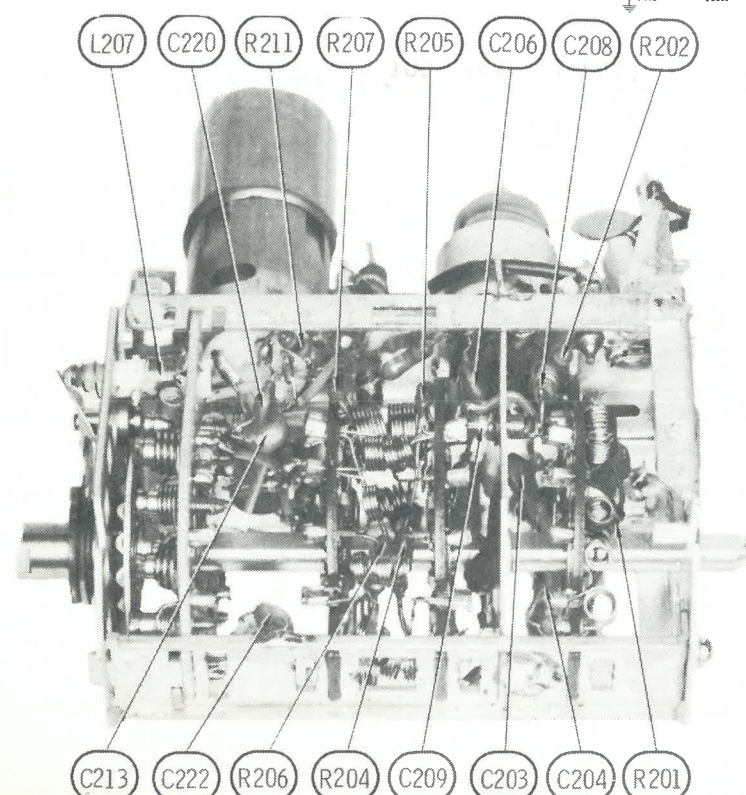
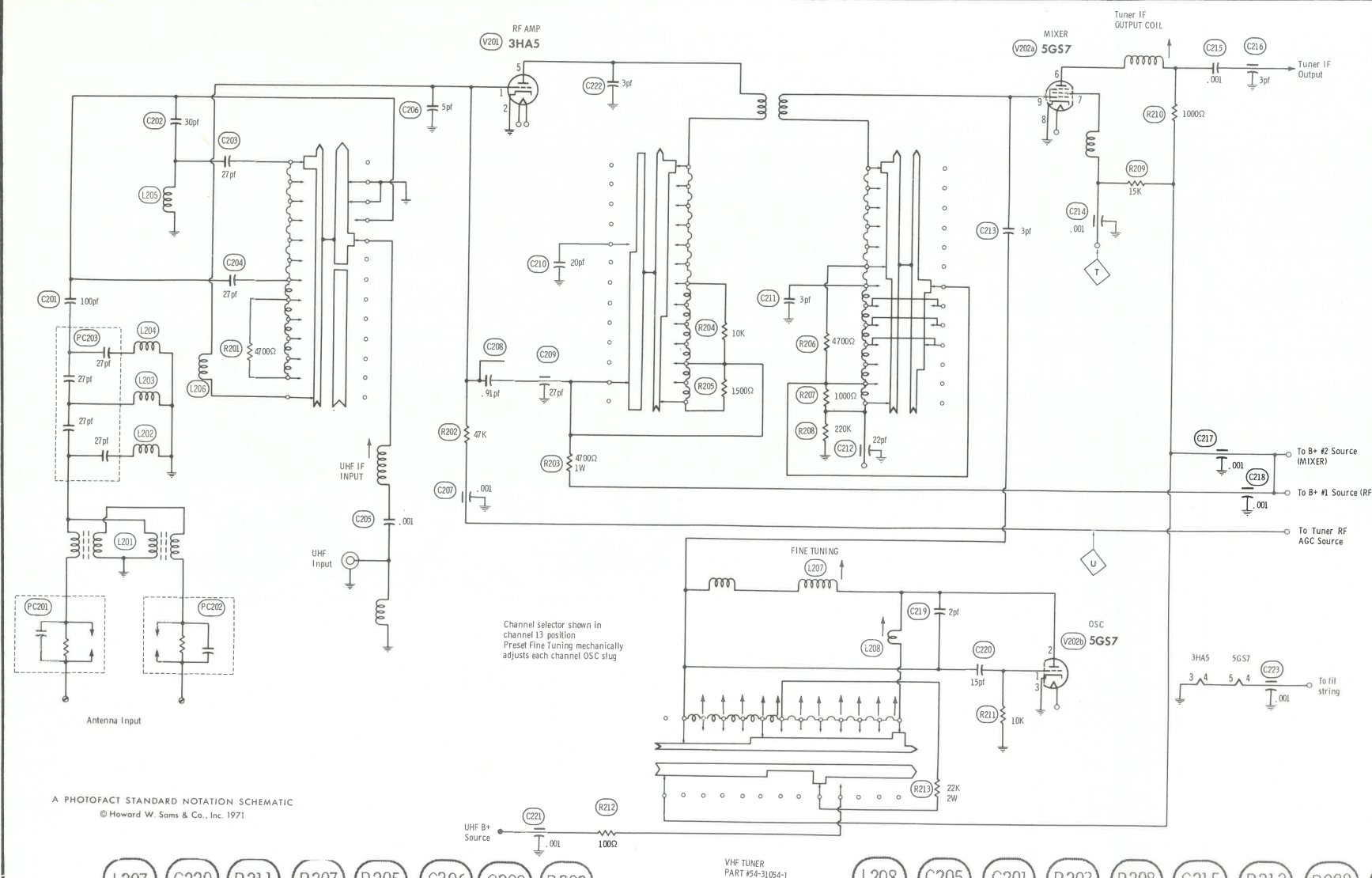
CHANNEL	CONNECT SCOPE	REMARKS
13	Vertical input to Point  , low side to ground.	Expand or compress appropriate coils for maximum gain and symmetry of response similar to Fig. 201 with markers as shown.
12 thru 2	Vertical input to Point  , low side to ground.	Check all channels and make compromise adjustments by expanding or compressing appropriate coils if necessary.

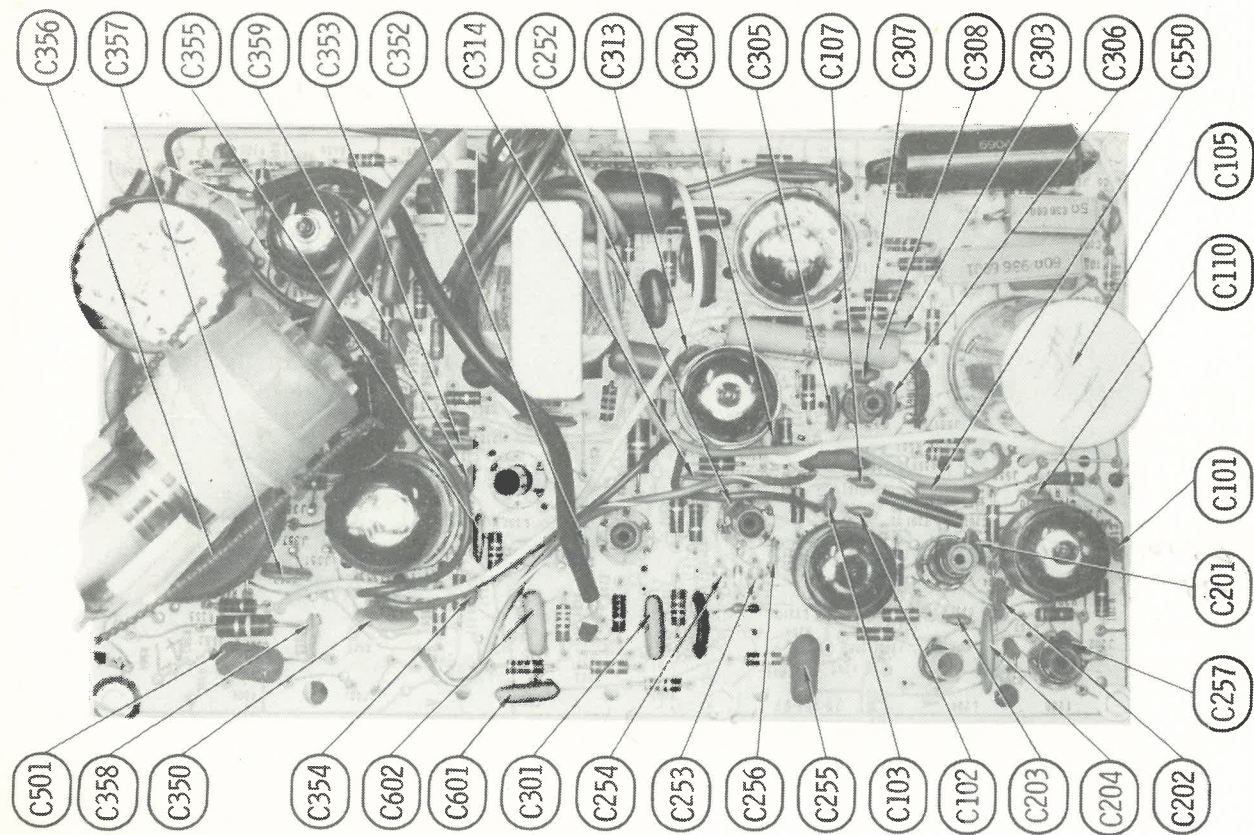
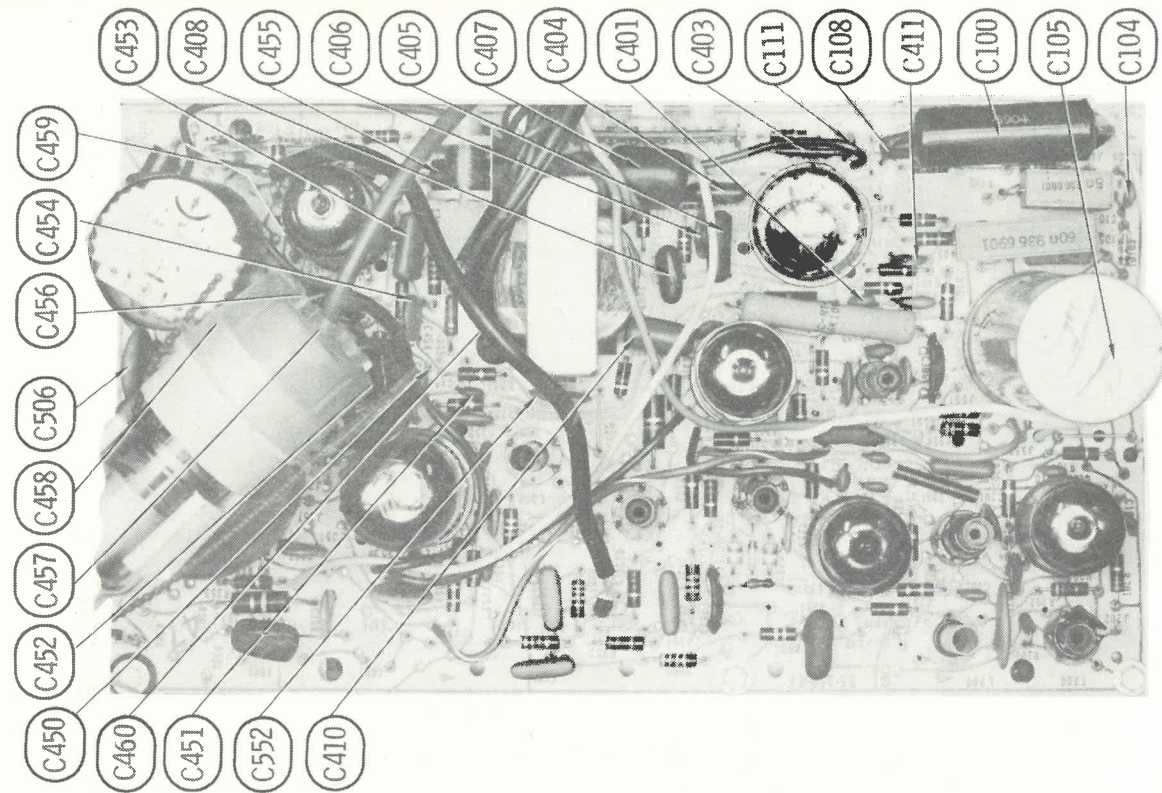
GENERATOR FREQUENCY						FIG. 201
Numbers in () indicate channel number						
SWEEP	MARKER	SWEEP	MARKER	SWEEP	MARKER	
(2) 57MC	55.25MC 59.75MC	(6) 85MC	83.25MC 87.75MC	(10) 195MC	193.25MC 197.75MC	
(3) 63MC	61.25MC 65.75MC	(7) 177MC	175.25MC 179.75MC	(11) 201MC	199.25MC 203.75MC	
(4) 69MC	67.25MC 71.75MC	(8) 183MC	181.25MC 185.75MC	(12) 207MC	205.25MC 209.75MC	
(5) 79MC	77.25MC 81.75MC	(9) 189MC	187.25MC 191.75MC	(13) 213MC	211.25MC 215.75MC	

SOUND VIDEO

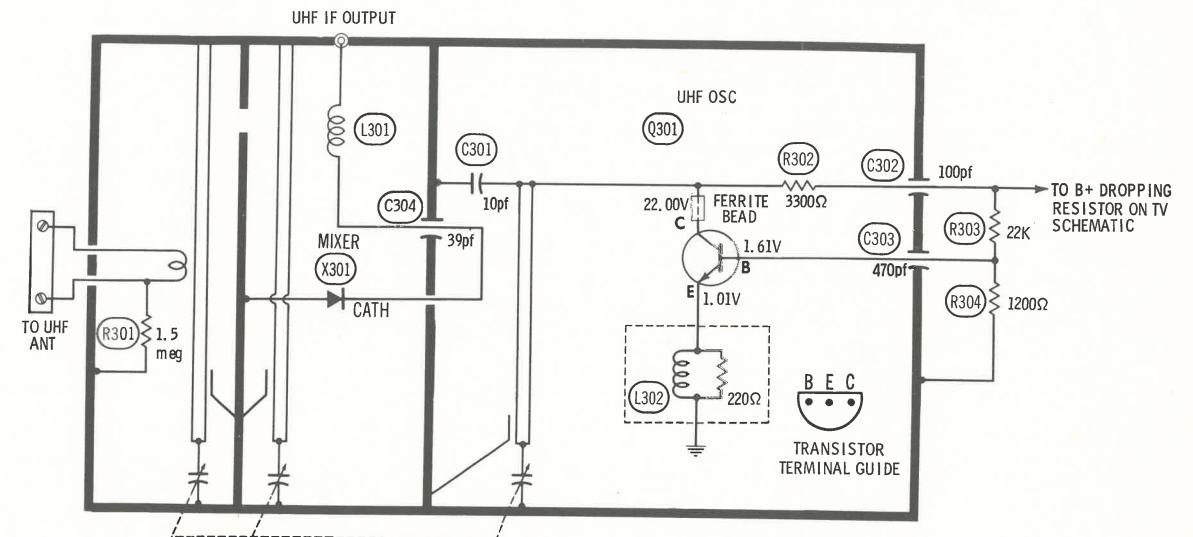
UHF TUNER ALIGNMENT INSTRUCTIONS

Select a UHF station. Adjust UHF IF input coil for best picture and sound.

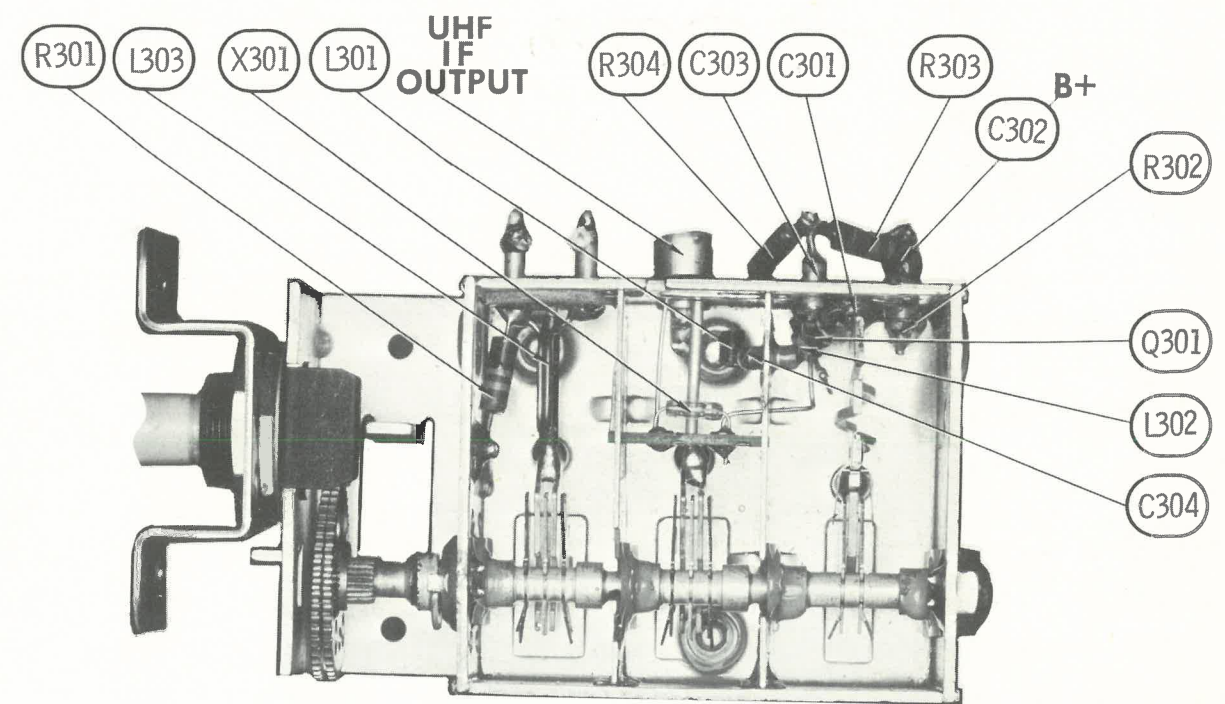




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A PHOTOFAC STANDARD NOTATION SCHEMATIC
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UHF TUNER 54-31053-1

VHF TUNER PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

TUBES

AMPEREX			GENERAL ELECTRIC		RCA		SYLVANIA	
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V201	RF Amp	3HA5	V202	Mixer - Oscillator	5GS7			

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C201	100pf	#43-46130-66	NPO-DI 100	DTZ-100	NP0100	CCT0-101	CN0310	10TCC-T10
C202	30pf			TCZ-30		CCT0-300		10TCC-Q30
C203	27pf			TCZ-27	NP027	CCT0-270	CN0427	10TCC-Q27
C204	27pf			TCZ-27	NP027	CCT0-270	CN0427	10TCC-Q27
C205	.001		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C206	5pf	#43-96130-65	NPO-DI 5.0		NP05			10TCC-V50
C207	.001							
C208	.91pf							
C209	27pf		NPO-DI 20	DTZ-20	NP020	CCT0-200	CN0420	10TCC-Q20
C210	20pf		NPO-DI 3.0					10TCC-V30
C211	3pf	#43-96130-66	NPO-DI 3.0					
C212	22pf							
C213	3pf		GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C214	.001							
C215	.001							
C216	3pf	#43-96130-66						
C217	.001							
C218	.001							
C219	2pf		NPO-DI 2.2	DTZ-2R2	NP02P2	CCT0-150	CN0522	10TCC-V22
C220	15pf		NPO-DI 15	DTZ-15	NP015		CN0415	10TCC-Q15
C221	.001	#43-96130-66						10TCC-V30
C222	3pf		NPO-DI 3.0					
C223	.001							

Sylvania Part Number

COILS (RF-IF)

ITEM No.	USE	MFGR. PART No.	NOTES	ITEM No.	USE	MFGR. PART No.	NOTES
L201	Balun	54-96135-40	(1) Part of Antenna Assembly Part #54-96135-40	L205	Trap	33-96134-49	
L202	RF Choke	(1)		L206	Trap	33-96134-49	
L203	RF Choke	(1)		L207	Fine Tuning	54-96133-8	
L204	RF Choke	(1)		L208	Overall Osc. Adj.	33-96134-52	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
PC201	Component Combination	43-96183-5	Antenna Isolation
PC202	Component Combination	43-96183-5	Antenna Isolation
PC203	Component Combination		Antenna Matching Network (27pf, 27pf, 27pf, 27pf)

UHF TUNER PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

TRANSISTORS

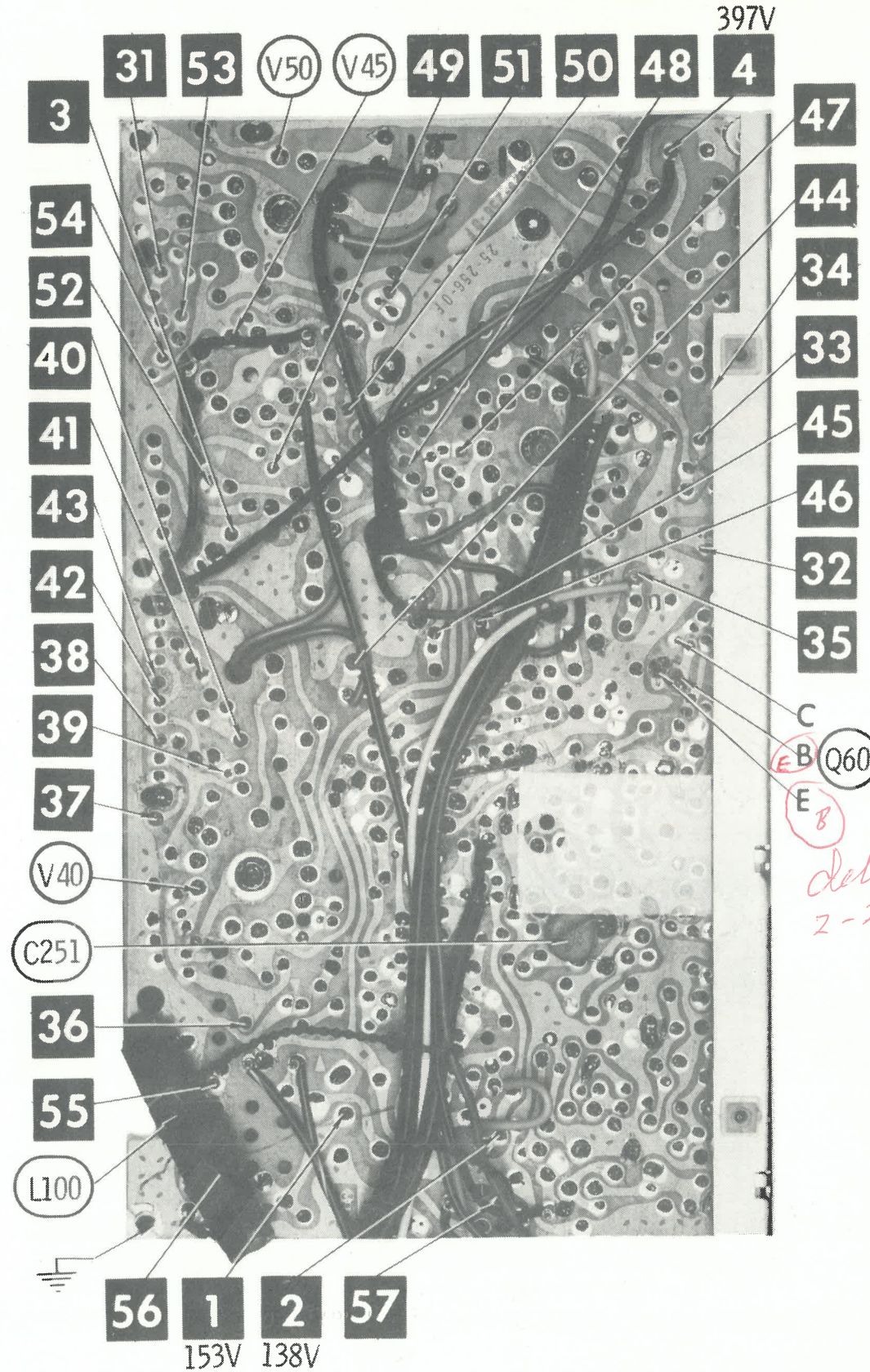
ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q301		UHF Oscillator	13-10321-41	GE-11	TR-21	HEP56	SK3018	ECG 108

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
X301	1N82AG	1N82A	1N82AG		ECG 112	

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C301	10pf	#43-96130-27						
C302	100pf							
C303	470pf							
C304	39pf							



ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED

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SYLVANIA CHASSIS B14-1, B14-2

FOLDER 3

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements. Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

TRANSFORMERS (Sweep Circuits)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L550	Yoke (Horiz 25mh)	51-31051-1				
T400	110° (Vert 58mh)	(80-82-4F)				
	Vert Output	56-31056-1				
		(80-51-2)				
T500	Horiz Output	50-31050-11				

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T351	3500	3.2	56-31056-2 (80-260-1D)	A-3877 (1)	22S31 (1)	S-14Z	(1) Drill new mounting hole(s).

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	3" PM 3.2 ohms	12-31012-1		

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F100	Chemical Fuse 1.2A	29-31029-1	72-31072-8					
F101	2" length #30 fuse wire	43-51-9						W1200-1

not stocked by Sylvania
use 1.25" #31 copper wire

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
	VHF Antenna	27-31008-1	JFD Replacement TA514
	UHF Antenna	27-31008-2	JFD Replacement TA544
	VHF Tuner	54-31054-1	
	UHF Tuner	54-31053-1	
	Printed Circuit Board	35-25400-1	Complete

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.	ITEM	PART No.
MODEL: MW14BK		MODEL: MW18	
Cabinet Front	10-31004-1	Cabinet Front	10-31004-4
Cabinet Rear	10-31005-1	Cabinet Rear	10-31005-4
Cabinet Escutcheon	73-31006-1	Cabinet Escutcheon	74-31006-15
Handle	74-31006-4	Handle	74-31006-16
Knob - Brightness, Contrast, On-Off	74-31002-1	Knob - Brightness, Contrast, On-Off	74-31002-1
Knob - Fine Tuning - VHF	74-31002-2	Knob - Fine Tuning - VHF	74-31002-2
Knob - Dial Indicator - UHF	74-31002-4	Knob - Dial Indicator - UHF	74-31002-4
Knob - Dial Indicator - VHF	74-31002-5	Knob - Dial Indicator - VHF	74-31002-5
Knob - Tuning - UHF	74-31002-3	Knob - Tuning - UHF	74-31002-3

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements. Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

WIRING DATA

High Voltage Lead	Use BELDEN No. 8869 (17KV)
Shielded Hook-up Wire	Use BELDEN No. 8885 (Single Conductor)
	8738 (Two Conductor)
General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
	8524 (Stranded) Available in 12 Colors
300-Ohm Tuner Input Lead	Use BELDEN No. 8225
300-Ohm Antenna Lead-in	Use BELDEN No. 8230 or 8275
Antenna Rotor Cable	Use BELDEN No. 8464 (Flat) or 8484 (Round) - 4 Conductor
	8485 (Round) - 5 Conductor
	8488 (Round) - 8 Conductor

TUBES

AMPEREX			GENERAL ELECTRIC			RCA			SYLVANIA		
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V20	1st Video IF	4EH7	V40	Sync Sep. - Vert Mult/Output	23Z9						
V25	2nd Video IF	4EJ7	V45	Horiz Mult	8FQ7						
V30	Video Output - Sound IF Amp	11AF9	V50	Horiz Output - Damper	33GY7A						
V35	Audio Detector - Audio Output	17BF11	V60	HV Rectifier	1AD2						

PICTURE TUBE

ITEM No.	REPLACEMENT DATA				NOTES
	MFGR. PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	
V55	12DEP4		12DEP4	12DEP4 (1)	(1) Silver Screen "85"

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q60		AGC Keyer	13-31013-1	GE-20	TR-21	HEP54	SK3018	ECG 123

GE-22 TR-19 HEP-22 SK3118 ECG 159

deleted
2-20-75

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
D250	(1N60)	1N60	1N60	1N60	ECG 109	
D451	13-31014-2	6GC1	DD04		ECG 113	
SD101	13-31014-1	GE-504A	8D4 or 5A4-D	SK3031 or SK3017A	ECG 116 or ECG 117	

SYLVANIA
CHASSIS B14-1, B14-2

FOLDER 3

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements. Have your local distributor check Sams COUNTER FACTS[®] for the most up-to-date replacement.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C105a	300 175V	41-31041-1	PWH4-38-97.3		DD0015.5A (1)		FP318.85A (1) & TC50XA	TVL-4449.2 (1)
b	400 150V							
c	4 150V							
d	20 150V							

(1) Use Printed Circuit Adapter Kit.

CAPACITORS

CAPACITORS				REPLACEMENT DATA					
ITEM No.	RATING		REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C252	2.2	NPO	10%	NPO-DI 2.2	DTZ-2R2	NP02P2		CN0522	10TCC-V22
C253	6.8	NPO		NPO-DI 6.8	DTZ-6R8	NP06P8		CN0568	10TCC-V68
C254	4.7	NPO		NPO-DI 4.7	DTZ-4R7	NP04P7		CN0547	10TCC-V47
C255	.1	100V		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C301	.1	100V		DBE2P1		DPMS2P1	1DP-2-104	GP347	10TS-T47
C302	470			GPD X5F471K	DD-471	GP470	CCD-471	JF250	10TS-D50
C303	.005		10%	GPD X5R502K	DD-502	GP5000	CCD-502	JF250	10TS-D10
C304	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TCC-D10
C305	47	NPO	10%	NPO-DI 47	DTZ-47	NP047	CCTO-470	CN0447	10TCC-Q47
C306	33	NPO	10%	NPO-DI 33	DTZ-33	NP033	CCTO-330	CN0433	10TCC-Q33
C307	2.7	NPO	10%	NPO-DI 3.0					10TCC-V30
C308	47			NPO-DI 47	DTZ-47	NP047	CCTO-470	CN0447	10TCC-Q47
C313	560			GPD X5F561K	DD-561	GP560	CCD-561	GP356	10TS-T56
C314	.03	50V		TTP-03	CK-303		CCD-303	GP130	TG-S30
C350	.01	1KV	+	GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C352	8.2	N750		N750-DI 10	DTZ-10		CCTN-100	CN7410	10TCU-V82
C353	.01			GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C354	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C355	.01			GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C356	470			GPD X5F471K	DD-471	GP470	CCD-471	GP347	10TS-T47
C357	.01			GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C358	.01			GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C359	18	N330	10%				*	*	*
C401	220		10%	GPD X5F221K	DD-221	GP220	CCD-221	GP322	10TS-T22
C403	.0047	N5600	10%						
C98	33			GPD X5F561K	DD-561	GP560	CCD-561	GP356	10TS-T56
C100	.1	600V		DBE6P1		DMF6P1	6DP-4-104	PVC601	6PS-P10
C101	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C102	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C103	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C104	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C107	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C108	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C110	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C111	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C201	.0015		10%	GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C202	.0015		10%	GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C203	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C204	150	NPO	5%		DTZ-150			CN0315	10TCC-T15
C205	12	NPO	5%		TCZ-12	NP012	CCTO-100	CN0412	10TCC-Q12
C251	.0015		10%	GPD X5F152K	DD-152		CCD-152	GP215	10TS-D15
C404	.0047	400V	10%	GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C405	.01	400V	10%	GPD X5S103K	DD-103	GP10000	CCD-103	JF110	10TS-S10
C406	.001		10%	GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C407	.1	100V	10%	DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C408	.033	100V	10%	DBE6S33		DPMS6S33	4DP-2-333	PVC6133	4PS-S33
C410	.1	400V		DBE4P1		DPMS4P1	4DP-3-104	PVC401	4PS-P10
C450	82				DTZ-82	NP082	CCTO-820	CN0482	10TCC-Q82
C451	27	N750			TCN-27		CCTN-270	KN7427	10TCU-Q27
C452	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C453	.1	200V		DBE2P1		DPMS2P1	2DP-3-104	PVC201	2PS-P10
C454	.0022			GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C455	.0039		10%	GPD X5R392K	DD-392		CCD-392	JF239	10TS-D39
C456	820	500V	10%			CD19F821J500	DM-19-821	SX382	MS-382
C457	.001			GPD X5F102K	DD-102	GP1000	CCD-102	GP210	10TS-D10
C458	200	N470	10%				*	*	10TCT-T20
C459	.005			GPD X5R502K	DD-502	GP5000	CCD-502	JF250	10TS-D50
C460	330			GPD X5F331K	DD-331	GP330	CCD-331	GP333	10TS-T33
C501	.22	600V		DBE6S2		DPMS6S2	6DP-2-203	PVC612	6PS-S20
C506	200	N1500/4KV/10%							
C507	39	N750/2KV 10%							
C550	.047	200V		DBE6S47		DPMS6S47	4DP-3-473	PVC4147	4PS-S47
C601	.1	100V		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3
C602	.1	100V		DBE2P1		DPMS2P1	1DP-2-104	PVC101	225P10491WD3

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.
Sylvania Part Number (1) Includes Spark Gap.

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements. Have your local distributor check Sams COUNTER FACTS® for the most up-to-date replacement.

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS—IRC PART No.	MALLORY PART No.
R300	Contrast	600	37-31037-4 (24-1200A)	F5-500, SNF108	NP-500-V, NMS-A-300, TT-2	B17-103, TM10 or [BU11, CF50, SS16, DC1] *	RU52R, SL37, SD1187 or [UA52R, SD1187]
R350	Volume/Switch	1meg	37-31037-3 (24-1338A)	F2-1meg, SNF100, KR-1	NP-1meg-Z, NMS-A-300, NWE-12	B13-137, TM10, 76-1 or [BU1, CF26, SS16, GC] *	RU16A, SL37, SD1125, US41 or [UA16A, SD1125, US41]
R400	Height	3meg "a"	37-31037-1 (24-1129C)				
R410	Vert Linearity	500K "c"					
R420	Vert Hold	1.2meg "b"					
R450	Horiz Frequency	50K	37-31037-2 (24-926C)	TSV-50K or T-50K		X201R503B	MTC54L1
R550	Brightness	1.5meg	37-31037-5 (24-1199A)	F1-1.5meg, SNF108	NP-1.5meg-S, NMS-A-300, TT-2	B11-138, TM10 or [BU11, CF18, SS16, DC1] *	RU155L, SL37, SD1187 or [UA155L, SD1187]
R600	AGC	50K	37-31037-2 (24-926C)	TSV-50K or T-50K		X201R503B	MTC54L1

* "SNAPTROL"

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R100	5.5 10W	10W-SQ-5	36-31036-1
R105	60 7W	10W-SQ-60	35-31035-5

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFRG. PART No.
R304	5600 5W	5W-SQ-5.6K	35-31035-2

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L100	Line Choke	50-31050-15			
L101	RF Choke (32 turns)	50-31050-1			
L200	47.25MC Trap	50-31050-7			
L251	RF Choke (12uh)	50-31050-2	19-2016	72F125AP	T823
L252	Peaking (60uh)	50-31050-3	19-3060	6110	T302
L300	Peaking (270uh)	50-31050-4 (1)	19-3275 *	6130 *	TA339 *
L301	Peaking (620uh)	50-31050-5	19-2030	6146	T326
L350	Quadrature	50-31050-12		7125	
T200	1st Video IF/41.25MC Trap	50-31050-8			
T201	2nd Video IF	50-31050-9			
T250	3rd Video IF	50-31050-10			
T300	Sound Take-Off	57-31057-1		7131	

(1) Wound on 15K Resistor.

* Shunt with 15K Resistor.

6500 DAMPER PLATE
T350 SIF

50-31050-6
50-31050-13

50-31050-14) Corrected
2-20-75

COILS (Sweep Circuits)

ITEM No.	FUNCTION	REPLACEMENT DATA					
		MFGR. PART No.	MILLER PART No.	STANCOR PART No.	THORDARSON MEISSNER PART No.	TRIAD PART No.	WORKMAN PART No.
L450	Horizontal Hold	50-31051-14 (10-141-5)					